USER MANUAL

9.7″ LED MONITOR

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1. Safety Instructions

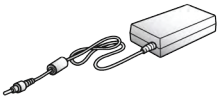
Thank you for purchasing our security LCD monitor.
For the best performance of our product, please take a few minutes to read the user's manual and follow relevant guides and directions.

- Please read the instructions carefully, and keep it for later use.
- Please comply with all warnings and instruction signs marked on the product.
- Always keep the product under normal temperature and humidity, avoiding heavy moisture and high temperature.
- Keep the product stable conditions at any time, otherwise the product may fail, causing serious loss and damage.
- Do not install this product without any proper ventilation system, and keep the product away from all heat sources, humid and dusty surroundings.
- When cleaning, cut off the electrical supply at any times, and keep away from any liquid sources. Use damp rag to clean product when necessary instead of liquid or aerosol detergent
- Do not crash and convulse the product when move it because the product as glasswork is easily scratched.
- Do not attempt to repair the product by yourself or remove the casting, if may expose you to electronic shock hazard. Please contact a dealer near you for the service.

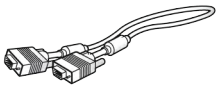
2. Contents in the product

Inspect all the items inside the box. If any item is damaged or missing, notify your dealer immediately.

LED monitor



AC adapter



VGA Cable

Power Cord

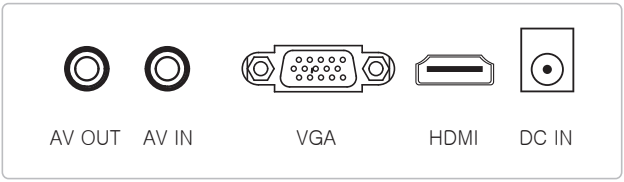
User Manual

3. Safety Tips

- Place the monitor on a flat and stable surface
- Ensure that the power to the monitor, the computer, and other connected devices should be off before making any connections.
- Plug the DC cord of the AC adapter to the 12V power connector of the monitor.
- Plug power cord to the AC adapter, and plug the other side to the power socket.
- Please use the enclosed power cord and connect to the standard power outlet of your country.
- For viewing clarify, you can tilt the LCD forward or backward.
- Ensure the LCD will not fall or be damaged.
- Do not tilt the LCD beyond the allowed angles forward up to 5 degrees or backward up to 25 degrees.

4. Installation

■ Connect power cord and power adaptor
■ Connect video cable
  – Make sure both the LCD display and computer are turned off.
  – Connect the video cable from the LCD display to the computer.
■ Turn on LCD display and computer.
■ Select input source (video, PC, HDMI) pushing ‘SELECT’ button of OSD.



5. Product Specification

Features	Specification
Model	9.7inch
LCD	9.7˝LED monitor(4:3)
Resolution	1024 x 768@60Hz
Viewing angle	178/178 (degree)
Brightness	200 cd/㎡
Contrast	600:1
Input signals	PC (RGB), Video (BNC), HDMI
Output signal	Video(BNC)
Power	DC 12V 2A
Size (WxHxD)	235mm x 195mm x 320mm
Weight (set)	1.7Kgs
Weight (Packed)	2.5 Kgs

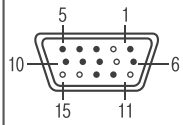
※ Technical details may be subject change without further notice.

6. Signal connection

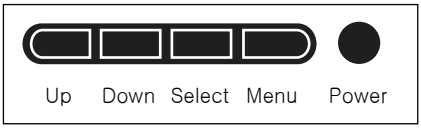
Various input/output signal specifications are supported.
The following table shows the input/output signal specifications.

Parameter		Specification	Unit	Remark
PC input	Input signal	Analogue R,G,B		Separate
	Input level	0.7	Vp-p	75Ω
	H-Frequency	31 ~ 80	KHz	
	V-Frequency	60 ~ 75	Hz	
	Max. input resolution	1280 x 1024@75Hz		
Composite video input		1	Vp-p	Pal / NTSC / Secam
HDMI input	Input Resolution	480P/576P/720P 1080I/1080P		With HDCP
Composite video output		1	Vp-p	

VGA Connector

VGA plug	Pin	Function	Pin	Function
	1	Red	9	VGA_5V
	2	Green	10	Synchronization grounded
	3	Blue	11	Unconnected
	4	Unconnected	12	SDA (DDC Data)
	5	Grounded	13	Horizon synchronization
	6	Red grounded	14	Vertical synchronization
	7	Green grounded	15	SCL (DDC clock)
	8	Blue grounded		

7. How to control OSD (on screen display) Key



OSD Key function

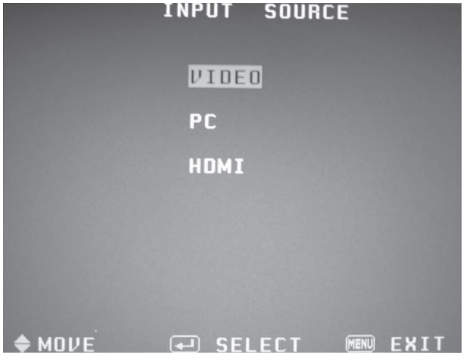
Key function	
Select	To choose input signal : Video, PC, HDMI
	To enter the sub-menu
	To view the next function in the OSD main menu
Menu	To activate the OSD main menu
	To view the previous function in the OSD main menu
	To exit from the OSD main menu
Up	Auto adjust (hot key) in the PC mode
	OSD item UP
	To increase the value of the specific function which has been selected
Down	To adjust contrast / Brightness (Direct menu)
	OSD item DOWN
	To decrease the value of the specific function which has been selected
Power	To turn on / off the monitor

LED color status

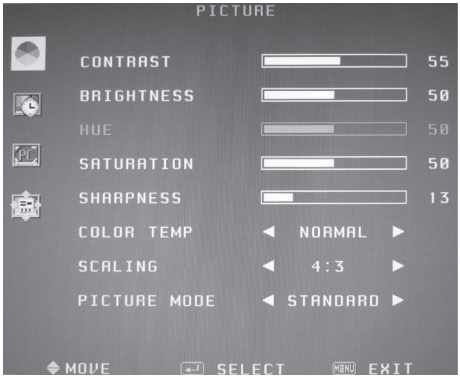
Mode	ON	Stand by	OFF
LED color	Green	Orange	Orange

7-1. Input Signal : Video / HDMI

(Choose'Select'button from OSD key)



(1) Menu : PICTURE



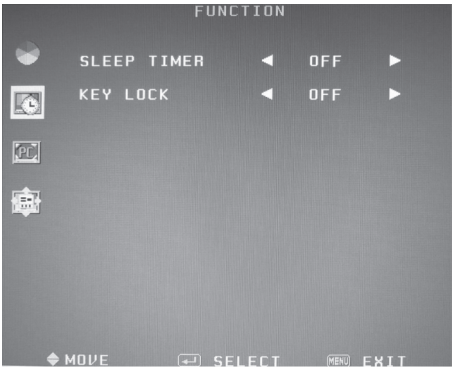
■ Contrast : To adjust the brightness and darkness of the object and backgrounds
■ Brightness : To adjust the brightness of the entire picture.
■ Hue : To adjust colors naturally. This function is activated at NTSC video signal.
■ Saturation : To adjust colors to deeper or lighter color
■ Sharpness : To adjust the sharpness of video image.
■ Color temp
- Normal : For a general color tone
- Warm : For warm colors with reddish tone
- Cool : For cool colors with bluish tone.

7-1. Input Signal : Video / HDMI

■ Scaling
- 4:3 (Normal) : For general picture size.
- Zoom : Zoom in vertical direction.

■ Picture mode
- Standard : For general contents. If fits most contents.
- Vivid : For a clear display.
- Movie : For movies.
- User : When the user wants to set the values.

(2) Menu : FUNCTION

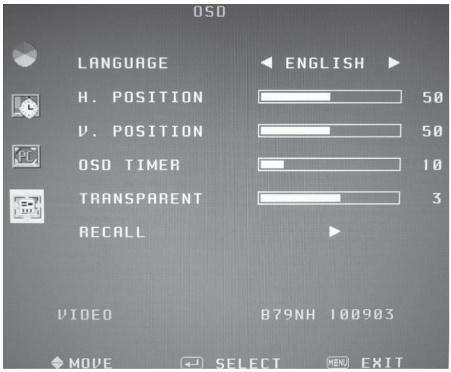


■ Sleep timer : Select the sleep timer if you want automatically power off on a certain time.
■ Key lock : To lock the key function. If you need the key function again, please do AC power off and on.

** Pixel shift(9.7˝) : This function is to reduce the retention of image.

7-1. Input Signal : Video / HDMI

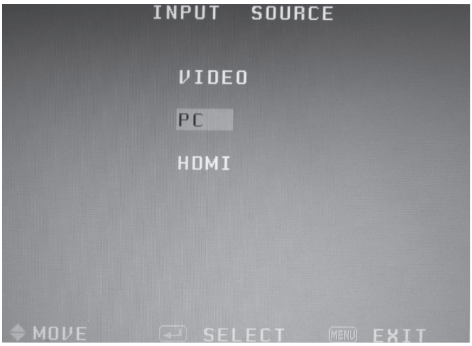
(3) Menu : OSD



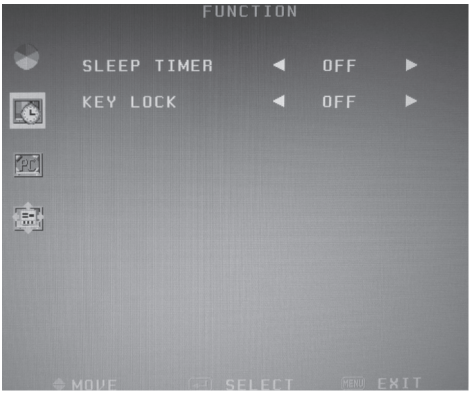
■ Language : To select the preferred language.
  - English, German, French, Italian, Spanish, Czech, Swedish, Finnish, Polish, Russian, Turkish,Korean, Japanese
■ H-position : To adjust the horizontal position of OSD window.
■ V-position : To adjust the vertical position of OSD window.
■ OSD timer : To adjust the time of OSD window display.
■ Transparent : To adjust the transparency of OSD window.
■ Recall : To recall the initial setting.

7-2. Input Signal : PC (for DVR or PC usage)

(Choose'Select'button from OSD key)



(1) Menu : FUNCTION

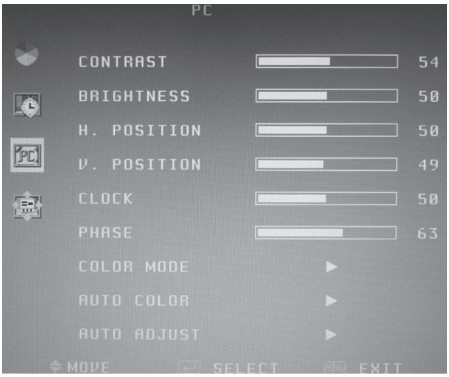


■ Sleep timer : Select the sleep timer if you want automatically power off on a certain time.
■ Key lock : To lock the key function. If you need the key function again, please do AC power off and on.

** Pixel shift(9.7") : This function is to reduce the retention of image.

7-2. Input Signal : PC (for DVR or PC usage)

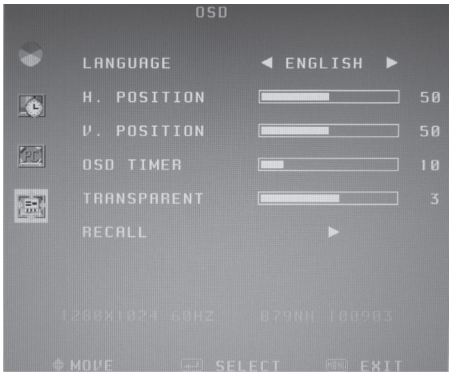
(2) Menu : PC



■ Contrast : To adjust the brightness and darkness of the object and backgrounds
■ Brightness : To adjust the brightness of the entire picture.
■ H-position : To adjust the horizontal position of picture.
■ V-position : To adjust the vertical position of picture.
■ Clock : To adjust to reduce the noise on the picture.
■ Phase : To eliminate the shake of the picture.
■ Color mode : To select color tone of the entire picture.
  - Normal : For a general color tone.
  - Warm : For warm colors with reddish tone.
  - Cool : For cool colors with bluish tone.
  - User : For adjusting the color tone with R. G. B control.
■ Auto color : To adjust color (brightness / contrast, etc) automatically.
■ Auto adjust : Horizontal / vertical positions are automatically adjusted.

7-2. Input Signal : PC (for DVR or PC usage)

(3) Menu : OSD



■ Language : To select the preferred language.
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■ H-position : To adjust the horizontal position of OSD window.

■ V-position : To adjust the vertical position of OSD window.

■ OSD timer : To adjust the time of OSD window display.

■ Transparent : To adjust the transparency of OSD window.

■ Recall : To recall the initial setting.

7-2. Input Signal : PC (for DVR or PC usage)

※Timing Guide in PC mode

Resolution	H-Frequency (kHz)	V-Frequency (Hz)	Mode
640 x 480	31.469	59.940	PC
640 x 480	37.500	75.000	
	37.861	72.809	
720 x 400	31.469	70.087	
800 x 600	37.879	60.317	
	48.077	72.188	
	46.875	75.000	
1024 x 768	48.363	60.004	
	56.467	70.069	
	60.023	75.029	

8. FAQ

Symptioms	Solutions
No power light	- Make sure AC power cord is securely connected to the LCD Adapter. - Make sure that the monitor power is turned on.
No signal	- Check the signal source : Video, HDMI, PC - You can push the'SELECT'button of the OSD key to choose suitable signal input.
Monitor in Power saving mode	- Check if the VGA signal cable is properly connected and check if the plug pin was damaged. - Check if the computer is changed to power saving mode, press any key
Too bright or dark	- Adjust the brightness. - Adjust the contrast.
Fuzzy image	- Presss the“ UP”(Auto adjust in PC mode) key - Do adjust the values in the menu
Image not in the middle	- Presss the“ UP”(Auto adjust in PC mode) key - Adjust horizontal / vertical position - Check whether signal timing is within the specified limits.
Abnormal color	- Check whether VGA (Video, HDMI) cable is properly connected. - Adjust the color in the menu.